

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 3	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR Cool	TRAIL CONDITIONS GRAVEL TRAIL	DATE MONTH 6 DAY 16 YEAR 86	CLIENT COCORP	OB FOREMAN/MOORE	PM BINNS									
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P.	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS
		TR	TR	TR	TR	POSITION		TAPE	MEMORY MISSED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS	NO. SUMS	DRIVE				
900	ALL ONES					1-6 SEC	593	48							5	8		83/84	8:15	4	5 VIBS 100' SPACING 41.25' MOVE UP
933	PULSE					1-6 SEC				ARRIVE FIELD											IN LINE FIRST VIB 21' PAST FLAG
934/935	EINT					2-6 SEC															8 SWEEPS 26 SEC SWEEP LENGTH 12-80 HZ SWEEP FEED
936/939	DRD					4-6 SEC															42 SEC REC LENGTH 4 MS SAMPLE RATE
953/954	SUM					2-6 SEC															62.5 HZ ALIAS FEED 9 HZ LOW CUT 18db/OCT
960/961	NRS					2-6 SEC															
932	SIMILARITY					1-26 SEC											30%	8:35			
442	WIND TEST	STEP				45				SIMS TAKEN WITH CAMERA AT VIBS							60db				
444	052	056				151 45											50%	8:45			
445	051	055				150 44	593										30%				EOT # 593 TAPE MARKS 1ST HALF
SKIP	050																SKIP				STA # 49 & 50 SKIPPED DUE TO HOUSE # BARS
SKIP	049																SKIP				
446	048	052				147 41	594										30%				BOT # 594 2ND HALF
447	047	051				146 40											50%				
448	046	050				145 39											50%				
449	045	049				144 38											50%				
450	044	048				143 37											50%				
451	043	047				142 36											50%				
452	042	046				141 35											50%				
453	041	045				140 34											50%				
454	040	044				139 33											50%				
455	039	043				138 32											50%				
456	038	042				137 31											50%				
457	037	041				136 30											50%				
458	036	040				135 29											50%				
459	035	039				134 28											50%				
460	034	038				133 27											50%				
461	033	037				132 26											50%				
462	032	036				131 25	594										50%				EOT # 594 TAPE MARKS
463	031	035				130 24	595										50%				BOT # 595
464	030	034				129 23											50%				
465	029	033				128 22											50%				

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 683A		LINE NO. 3		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR COOL GRAVEL ROAD		TRAIL CONDITIONS			DATE MONTH 6 DAY 13 YEAR 86		CLIENT COCORP		OB FOREMAN/MOORE		PM BINNS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN RAMP or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR	TR	TR	TR				TAPE	MEMORY MISSED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE						
900	ALL ONES	1-6SEC					589	48											139/140		4	MONTANA PONDERA		
933	PULSE	1-6SEC									ARRIVE	FIELD								8:00		5VIBS 82.5' SPACING 41.25' MOVE UP		
934/935	EINT	2-6SEC																				IN LINE FIRST VIB 21' PAST FLAG		
936/939	DLD	4-6SEC																				8 SWEEPS 26 SEC SWEEP LENGTH 12-40HZ SWEEP FREQ		
953/954	SIM	2-6SEC																				42 SEC REC LENGTH 4MS SAMPLE RATE		
960/961	NRT	2-6SEC					589															62.5HZ ALIAS FREQ 9HZ LOW CUT 18db/OCT		
932	SIMILARITY	1-26 SEC									SIMS TAKEN WITH CAMERA AT VIBS									30%	8:45			
383	WIND TEST STRIP				48	590																BOT # 590		
384	111	115			210	48																50%		
385	110	114			209	47																50%		
386	109	113			208	46																50%		
387	108	112			207	45																50%		
388	107	111			206	44																50%		
389	106	110			205	43																50%		
390	105	109			204	42																50%		
391	104	108			203	41																50%		
392	103	107			202	40																50%		
393	102	106			201	39																50%		
394	101	105			200	38																50%		
395	100	104			199	37																50%		
396	099	103			198	36																50%		
397	098	102			197	35																50%		
398	097	101			196	34	590															50%		
399	096	100			195	33	591															50%		
400	095	099			194	32																50%		
401	094	098			193	31																50%		
402	093	097			192	30																50%		
403	092	096			191	29																50%		
404	091	095			190	28																50%		
405	090	094			189	27																50%		
406	089	093			188	26																50%		
407	088	092			187	25																50%		

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 3		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR COOL GRAVEL ROAD		TRAIL CONDITIONS		DATE MONTH 6 DAY 13 YEAR 86		CLIENT COCORP		OB FOREMAN/MOORE		PM BINNS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING				SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR	TR	TR	TR				TAPE	MEMORY MISSED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS					DRIVE	
408	087	091			186	24	591	48							5	8	50%	139/140		4	MONTANA POWDERA		
409	086	090			185	23											50%						
410	085	089			184	22											50%						
411	084	088			183	21											50%						
412	083	087			182	20											50%						
413	082	086			181	19											50%						
414	081	085			180	18	591										50%						EOT # 591 TAPE MARKS
415	080	084			179	17	592										50%						BOT # 592
416	079	083			178	16											50%						
417	078	082			177	15											50%						
418	077	081			176	14											50%						
419	076	080			175	13											50%						FILE # 419 NO GOOD PARITY
420	076	080			175	13											50%						
421	075	079			174	12											50%						
422	074	078			173	11											50%						
423	073	077			172	10											50%						
424	072	076			171	9											50%						
425	071	075			170	8											50%						
426	070	074			169	7											50%						
427	069	073			168	6											30%						WELL
428	068	072			167	5											30%						
429	067	071			166	4											50%						
430	066	070			165	3	592										50%						EOT # 592 TAPE MARKS
431	065	069			164	2	593										50%						BOT # 593
432	064	068			163	1											50%						
433	063	067			162	17											50%	122/123					NEW RECORDER LOCATION
434	062	066			161	16											50%						
435	061	065			160	15											50%						
436	060	064			159	14											50%						
437	059	063			158	13											50%						
438	058	062			157	12											30%						1ST HALF
439	WIND TEST	STRIP			12												60db						

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 3		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR COOL		TRAIL CONDITIONS GRAVEL ROAD		DATE MONTH 6 DAY 12 YEAR 86		CLIENT COCORP		OB FOREMAN/MOORE		PM BINNS		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN RAMP'S OF "K"	PARITY			SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR	TR	TR	TR				TAPE	MEMORY	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE						
346	147	151			246	24	587	40								5	8	50%	119/200			4		
347	146	150			245	23												50%						
348	145	149			244	22												50%						
349	144	148			243	21												50%						
350	143	147			242	20												50%						
351	142	146			241	19	587											50%					EOT # 587 TAPE MARKS	
352	141	145			240	18	588											50%					BOT # 588	
353	140	144			239	17												50%						
354	139	143			238	16												50%						
355	138	142			237	15												50%						
356	137	141			236	14												50%						
357	136	140			235	13												50%						
358	135	139			234	12												50%						
359	134	138			233	11												50%						
360	133	137			232	10												50%						
361	132	136			231	9												50%						
362	131	135			230	8												50%						
363	130	134			229	7												50%						
364	129	133			228	6												50%						
365	128	132			227	5												50%						
366	127	131			226	4												50%						
367	126	130			225	3	588											50%					EOT # 588 TAPE MARKS	
368	125	129			224	2	589											50%					BOT # 589	
369	124	128			223	1												50%						
370	123	127			222	12												50%	107/188					NEW RECORDER LOCATION
371	122	126			221	11												50%						
372	121	125			220	10												50%						
373	120	124			219	9												50%						
374	119	123			218	8												50%						
375	118	122			217	7												50%						
376	117	121			216	6												50%						
377	116	120			215	5												50%						

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 3		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Partly Cloudy cool		TRAIL CONDITIONS DIRT ROAD		DATE MONTH 6 DAY 11 YEAR 86		CLIENT COCORP		OB FOREMAN/MOORE		PM BINNS		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN RAMP	PARITY	SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR	TR	TR	TR					SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE							
277	228	232			327	19	583	48								5	8	50%	285/286			4		
278	227	231			326	18												50%						
279	226	230			325	17												50%						
280	225	229			324	16												50%						
281	224	228			323	15												50%						
282	223	227			322	14												50%						
283	222	226			321	13												50%						
284	221	225			320	12												50%						
285	220	224			319	11												50%						
286	219	223			318	10												50%						
287	218	222			317	9												50%						
288	217	221			316	8	583											50%					EOT # 583 TAPE MARKS	
289	216	220			315	7	584											50%						BOT # 584
290	215	219			314	6												50%						
291	214	218			313	5												50%						
292	213	217			312	4												50%						
293	212	216			311	3												50%						1ST HALF
SKIP	211																	SKIP						#211 & 210 SKIPPED DUE TO HOUSE
SKIP	210																	SKIP						
294	209	213			308	48												50%	237/238					2ND HALF NEW RECORDER LOCATION
295	208	212			307	47												50%						
296	207	211			306	46												50%						
297	206	210			305	45												50%						
298	205	209			304	44												50%						
299	204	208			303	43												50%						
300	203	207			302	42												50%						
301	202	206			301	41												50%						
302	201	205			300	40												50%						
303	200	204			299	39												50%						
304	199	203			298	38	584											50%						EOT # 584 TAPE MARKS
305	198	202			297	37	585											50%						BOT # 585
306	197	201			296	36												50%						

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 7:00		LEAVE TOWN/CAMP		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Partly Cloudy Cool Gilwell Road		TRAIL CONDITIONS		DATE MONTH 6 DAY 11 YEAR 86		CLIENT COCORP		OB FOREMAN/MOORE		PM BINNS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY			SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS
		TR	TR	TR	TR				TAPE	MEMORY MISSED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
307	196	200			295	35	585	48								5	8	50%	237/238			4	
308	195	199			294	34												50%					
309	194	198			293	33												50%					
310	193	197			292	32												50%					
311	192	196			291	31												50%					
312	191	195			290	30												50%					
313	190	194			289	29												50%					
314	189	193			288	28												50%					
315	188	192			287	27												30%					1ST HALF VP 176-187 SKIPPED
316	175	179			274	14												30%					2ND HALF FOR TOWN OF
317	174	178			273	13												50%					DUPUYER
318	173	177			272	12												50%					
319	172	176			271	11												50%		5:00			
320	WIND TEST STRIP				11	585												6:00		5:00			EOT #585 TAPE MACKS

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 3		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER CLEAR COOL GRAVEL ROAD		TRAIL CONDITIONS		DATE MONTH 6 DAY 10 YEAR 86		CLIENT COCORP		OB FOREMAN/MOORE		PM BINNS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING			SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS			
		TR	TR	TR	TR				TAPE	MEMORY MISSED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U. H. T.	N. UNITS						NO. SUMS	DRIVE
205	299	303			398	23	578	48						5	8	50%	35 2/3 / 353		4				
206	298	302			397	22										50%							
207	297	301			396	21										50%							
208	296	300			395	20	578									50%					EOT # 578	TAPE MARKS	
209	295	299			394	19	579									50%						BOT # 579	
210	294	298			393	18										50%							
211	293	297			392	17										50%							
212	292	296			391	16										50%							
213	291	295			390	15										50%							
214	290	294			389	14										50%							
215	289	293			388	13										50%							
216	288	292			387	12										50%							
217	287	291			386	11										50%							
218	286	290			385	10										50%							
219	285	289			384	9								4		50%					# 23653	OUT FAN BEARING 4 VIBS 110' SPACING	
220	284	288			383	8										50%							
221	283	287			382	7			1							50%							
222	282	286			381	6										50%							
223	281	285			380	5										50%							
224	280	284			379	4	579									50%					EOT # 579	TAPE MARKS	
225	279	283			378	3	580									50%						BOT # 580	
226	278	282			377	2										50%							
227	277	281			376	1										50%							
228	276	280			375	39										50%	313 / 314					NEW RECORDER LOCATION	
229	275	279			374	38										50%							
230	274	278			373	37										50%							
231	273	277			372	36										50%							
232	272	276			371	35										50%							
233	271	275			370	34										50%							
234	270	274			369	33										50%							
235	269	273			368	32										50%							
236	268	272			367	31										50%							

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 3		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER Partly Cloudy Cool		TRAIL CONDITIONS GRAVEL ROAD		DATE MONTH 6 DAY 9 YEAR 86		CLIENT COCORP		OB FOREMAN/MOORE		PM BINALS	
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS	
		TR	TR	TR	TR				TAPE	MEMORY MISSED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE					
136	366	370			465	15	574	48								5	8	50%	427/428		4		
137	365	369			464	14												50%					
138	364	368			463	13												50%					FILE # 138 NO GOOD PARITY
139	364	368			463	13												50%					
140	363	367			462	12												50%					
141	362	366			461	11												50%					
142	361	365			460	10												50%					
143	360	364			459	9												50%					
144	359	363			458	8												50%					FILE # 144 NO GOOD PARITY BAD SPOT ON TAPE
145	359	363			458	8	574											50%					EOT# 574 TAPE MARKS
146	358	362			457	7	575											50%					BOT# 575
147	357	361			456	6												50%					
148	356	360			455	5												50%					
149	355	359			454	4												50%					
150	354	358			453	3												50%					
151	353	357			452	2												50%					
152	352	356			451	1												50%					
153	351	355			450	42												50%	885/386				NEW RECORDER LOCATION
154	350	354			449	41												50%					
155	349	353			448	40												50%					
156	348	352			447	39												50%					
157	347	351			446	38												50%					
158	346	350			445	37												50%					
159	345	349			444	36												50%					
160	344	348			443	35												50%					
161	343	347			442	34	575											50%					EOT# 575 TAPE MARKS
162	342	346			441	33	576											50%					BOT# 576
163	341	345			440	32												50%					
164	WIND TEST STRIP					31												60db					
165	340	344			439	31												50%					
166	339	343			438	30												50%					
SKIP	338																	SKIP					#338 SKIPPED DUE TO WELL

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

GEO-252-D

CREW NO. 6834		LINE NO. 3		LEAVE TOWN/CAMP 7:00		ARRIVE TOWN/CAMP		TOTAL TR. TIME		DOWN TIME		WEATHER PARTLY CLOUDY COOL		TRAIL CONDITIONS GRAVEL ROAD		DATE MONTH 6 DAY 9 YEAR 86		CLIENT COCORP		JOB FOREMAN/MOORE		PM BINNALS		
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR	TR	TR	TR				TAPE	MEMORY MISSED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE						
136	366	370			465	15	574	48								5	8	50%	427/128			4		
137	365	369			464	14												50%						
138	364	368			463	13												50%						FILE # 138 NO GOOD PARITY
139	364	368			463	13												50%						
140	363	367			462	12												50%						
141	362	366			461	11												50%						
142	361	365			460	10												50%						
143	360	364			459	9												50%						
144	359	363			458	8												50%						FILE # 144 NO GOOD PARITY BAD SPOT ON TAPE
145	359	363			458	8	574											50%						EOT# 574 TAPE MARKS
146	358	362			457	7	575											50%						BOT# 575
147	357	361			456	6												50%						
148	356	360			455	5												50%						
149	355	359			454	4												50%						
150	354	358			453	3												50%						
151	353	357			452	2												50%						
152	352	356			451	1												50%						
153	351	355			450	42												50%	385/386					NEW RECORDER LOCATION
154	350	354			449	41												50%						
155	349	353			448	40												50%						
156	348	352			447	39												50%						
157	347	351			446	38												50%						
158	346	350			445	37												50%						
159	345	349			444	36												50%						
160	344	348			443	35												50%						
161	343	347			442	34	575											50%						EOT# 575 TAPE MARKS
162	342	346			441	33	576											50%						BOT# 576
163	341	345			440	32												50%						
164	WIND TEST STRIP					31												60db						
165	340	344			439	31												50%						
166	339	343			438	30												50%						
SKIP	338																	SKIP						#338 SKIPPED DUE TO WELL

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 3	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER CLEAR COOL GRAVEL ROAD	TRAIL CONDITIONS	DATE MONTH 6 DAY 7 YEAR 86	CLIENT COCORP	OB FOREMAN/MOORE	PM BYNNS														
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS				
		TR	TR	TR	TR				TAPE	MEMORY MISSES	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE								
072	429	433			528	25	570	48									5	8	50%	480/481			4			
073	428	432			527	24													50%							
074	427	431			526	23			I										50%							
075	426	430			525	22			I										30%						MISSILE SIGHT	
076	425	429			524	21			II										30%						✓	
077	424	428			523	20			III										30%						✓	
078	423	427			522	19			I										50%							
079	422	426			521	18			I										50%							
080	421	425			520	17	570		I										50%						EOT # 570 TAPE MARKS	
081	420	424			519	46	571												30%	450/451					BOT # 571 NEW RECORDER LOCATION	
082	419	423			518	45			I										50%							
083	418	422			517	44													30%						1ST HALF HOUSE	
084	417	421			516	43													30%						2ND HALF	
SKIP	416				515	42													SKIP							416 SKIPPED DUE TO HOUSE
085	415	419			514	41													50%							
086	414	418			513	40													50%							
087	413	417			512	39													50%							WIND TEST STRIP
088	413	417			512	39													50%							
089	412	416			511	38													50%							
090	411	415			510	37													50%							
091	410	414			509	36													50%							
092	409	413			508	35													50%							
093	408	412			507	34													30%							LAST HALF PIPELINE
094	407	411			506	33													50%							
095	406	410			505	32													50%							
096	405	409			504	31													50%							
097	404	408			503	30	571												50%							EOT # 571 TAPE MARKS
098	403	407			502	29	572												50%							BOT # 572
099	402	406			501	28													50%							
100	401	405			500	27													50%							
101	400	404			499	26													50%							
102	399	403			498	25													50%							

OBSERVER REPORT PETTY-RAY GEOPHYSICAL

CREW NO. 6834		LINE NO. 3	LEAVE TOWN/CAMP 7:00	ARRIVE TOWN/CAMP	TOTAL TR. TIME	DOWN TIME	WEATHER <i>windy</i> <i>Partly Cloudy</i>	TRAIL CONDITIONS <i>COOL GRAVEL ROAD</i>	DATE MONTH 6 DAY 6 YEAR 86	CLIENT <i>COCORP</i>	OB FOREMAN/MOORE	PM BINNS												
FILE NO.	STA. NO.	STA. NO'S (LIVE GRPS.)				C. D. P. POSITION	DIGITAL REEL NO.	GAIN PAMPS or "K"	PARITY		SHOOTING					SUR. SOURCES			INST. SET UP	TIME DAY	STA. OFFSET TO LINE	REMARKS		
		TR	TR	TR	TR				TAPE	MEMORY MISSED SWEEPS	SIZE	TOP	BOT.	NO CAPS	U.H.T.	N. UNITS	NO. SUMS	DRIVE						
001	WIND TEST STRIP				21	566	48									5	8	60db	508/509	12:00		MONTANA PONDERA	CREW ARRIVED FIELD 7:30	
002	552	457			552	21												30%					1ST HALF PIPELINE	
003	551	457			552	21												30%					2ND HALF PIPELINE	
004	550	457			552	21												50%						
005	549	457			552	21												50%					5VIBS 82.5'SPACING 41.25' MOVE UP	
006	548	457			552	21												50%					IN LINE FIRST VIB 21' PAST FLAG	
007	547	457			552	21												50%					8SWEEPS 26SEC SWEEP LENGTH 12-48 HZ SWEEP FREQ	
008	546	457			552	21												50%					42SEC REC LENGTH 4MS SAMPLE RATE 62.5HZ ALIAS FREQ	
009	545	457			552	21												50%					TRK # 23453 OUT RADIATOR 4	
010	544	457			552	21												50%					4VIBS 100' SPACING FIRST VIB 21' PAST FLAG	
011	543	457			552	21												50%					VIBS SHAKING THROUGH SPREAD. CDP POSITION	
012	541	457			552	21												30%					WILL REMAIN CONSTANT UNTIL VIBS ARE 4 STA	
013	539	457			552	21												50%					PAST 1ST STA USED. THEN VIBS WILL	
014	538	457			552	21												50%					"PULL" LINE.	
015	535	457			552	21												50%						
016	533	457			552	21	566											50%					EOT # 566 TAPE MARKS	
017	531	457			552	21	567											50%					BOT # 557	
018	529	457			552	21												50%						
019	527	457			552	21												50%						
020	525	457			552	21												50%						
021	523	457			552	21												50%						
SKIP	521	457			552	21												SKIP						STA # 521 SKIPPED DUE TO OFFSET IN LINE
022	519	457			552	21												50%						
023	517	457			552	21												50%						
024	515	457			552	21												50%						
025	513	457			552	21												50%						
026	511	457			552	21												50%						
027	509	457			552	21												30%						2ND HALF BUILDINGS
028	507	457			552	21												50%						
029	505	457			552	21												50%						
030	502	457			552	21												50%						
031	WIND TEST STRIP				21													60db						



GEO-211-C

This cover sheet must be completed at the beginning of each line, or when parameters change.

GENERAL

Crew No. 6834 Contract No. 799

Client COCORP

Area MONTANA
Country MONTANA

County POUNDER
Concession POUNDER

State MONTANA

Party Mgr. J.S. Bivins FOREMAN OB/NO MODRE

Line No. 3 Date Start 6-6-86 of Line

Sta. Int. 330' Feet 489' Meters Fold 48%

Spread Dimensions 1-31350'

VP's Increase N E S W

GEOPHONES

Manufacture MD-100's Array Length 322
Frequency 8hz Array Width 14' x 14'
No. per string 2 @ 12 Array Across Between Sta
24 total Centered

Separation Ser Par Coil Res. 335 ohms
String Connected String Phone
Shunt Res.

Connected at Sta Ser Par Separation between elements in the array 14.34'
 14'

RECORDING SYSTEM

Type: MD-10

Format: SEG-B

No. of Channels: 96

Sample Rate: 4 ms

Record Length: 42 SEC

BPI: 1600

Low-Cut Filter Freq: 9hz
Slope: 18 db

High-Cut Filter Freq: 62.5hz
Slope: 18 db

Static Filter In Out

Notch Filter 60 Hz In Out

UH Ch. Wireline On Tape N/A

On Tape Radio On Tape N/A

Sweep Ch. AUX 2 - GALVO 50
On Tape AUX 4 - GALVO 52

ENERGY SOURCE

Type: 4-1100' 5 Vib

Manufacturer: Faling

Source Control: RCV-310

Dynamite Holes/Shotpoint: N/A
Charge/Shotpoint: N/A
Pattern Length: N/A Feet Meters

Array Length: 489' Feet Meters

No. of drops, sweeps, etc. in array: 8

Sweep Freq: 12 -> 48 hz

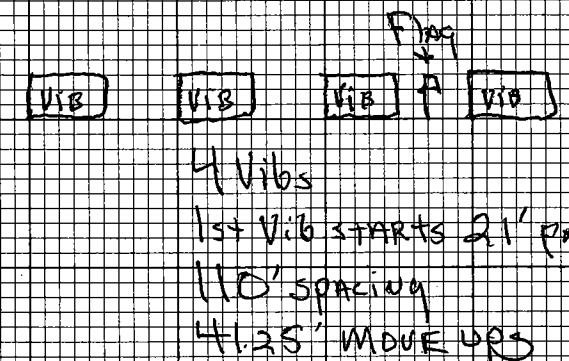
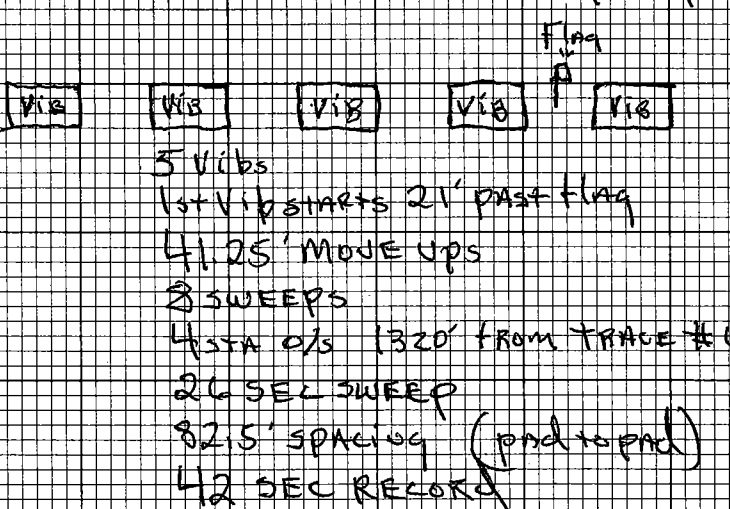
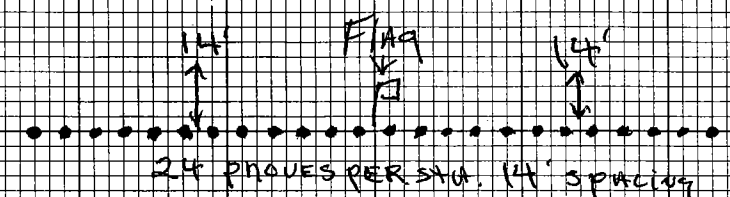
Sweep Length: 26

Unit Separation: 82.5' Feet Meters

Unit Moveup: 41.25' Feet Meters

Array Centered: Across Sta Between Sta

LINE COVER SHEET: DRAW DIAGRAM OF GEOPHONE ARRAY AND SOURCE ARRAY



REMARKS: Air Gun Delay, etc.

VARI SOURCE USED Yes No Invalid Channels:

